

LITTER STORAGE REQUIREMENTS WORKSHEET

Conservation District: _____ Field Office: _____

Cooperator: _____ Location: _____

Identification No.: _____ Field No.: _____

A. Number of birds: _____ B. No. of Flocks (Cycle) per year: _____

Houses		Dimensions		Clean out depth, in	Volume of Equipment, ft ³	# of Trips to Remove Litter	Volume of litter, ^{1/} _{2/} ft ³
House #	# of Houses	Length (L), ft	Width (W), ft				
Total Volume (V _h)							

^{1/} If volume and # of trips of clean out equipment to clean the houses are not known, use
Number of houses x Dimensions (L x W) x Clean out Depth = Volume of litter, ft³

^{2/} If dimensions and clean out depth of poultry houses are known, use
Number of houses x Volume of Equipment x # of Trips = Volume of litter, ft³

STORAGE REQUIREMENTS

C. Litter to store = % of Litter (as decimal) x V_h = _____ x _____ = _____ ft³

D. Litter for feeding = % of litter fed to livestock (as decimal) x V_h = _____ x _____ = _____ ft³

E. Tons of litter for composting dead chickens:

E1. Chickens: **A** x (mortality rate as a decimal)^{3/} x (Avg. Weight) / 2000

^{3/} Use actual data or refer to Table 10-7 in AWMFH, Part 651

= _____ x _____ x _____ / 2000 = _____ tons/cycle

E2. Litter required for composting = **E1** x Ratio of litter weight needed for compost mix^{4/}

^{4/} Use local data or 1.5 (from Table 10-8 in AWMFH, Part 651)

= _____ x _____ = _____ tons of litter/cycle

F. Volume of litter required for composting = **E2** x Compost volume per ton^{5/}

^{5/} If no local data available, use 67 ft³/ton for compost volume per ton.

= _____ x _____ = _____ ft³

V_{LR} = Recommended per cycle storage requirements (Store the greater of **C** or (**D** + **F**)) = _____ ft³

G. V_L = Per Cycle Storage Requirements = _____ ft³

Designed by: _____ Date: _____

Checked by: _____ Date: _____

Approved by: _____ Date: _____